

PHOTOGRAPHIC INTERPRETATION REPORT

ICBM COMPLEX, YURYA, USSR

NPIC/R-204/64

March 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declassification Review by NIMA / DoD

NPIC/R-204/64

25X1A

Launch Site A (TDI Site 2)	59-09N 49-33E	BE No
Launch Site B (TDI Site 1)	59-08N 49-41E	BE No
Launch Site C (TDI Site 3)	59-12N 49-28E	BE No
Launch Site D (TDI Site 4)	59-15N 49-24E	BE No
Launch Site E (TDI Site 5)	59-22N 49-17E	BE No
Launch Site F (TDI Site 7)	59-21N 49-13E	BE No
Launch Site G (TDI Site 6)	59-04N 49-52E	BE No
Launch Site H (TDI Site 8)	59-11N 49-46E	BE No
Launch Site I (TDI Site 11)	59-20N 49-26E	BE No
Launch Site J (TDI Site 9)	59-06N 49-45E	BE No
Launch Site K (TDI Site 10)	59-13N 49-19E	BE No

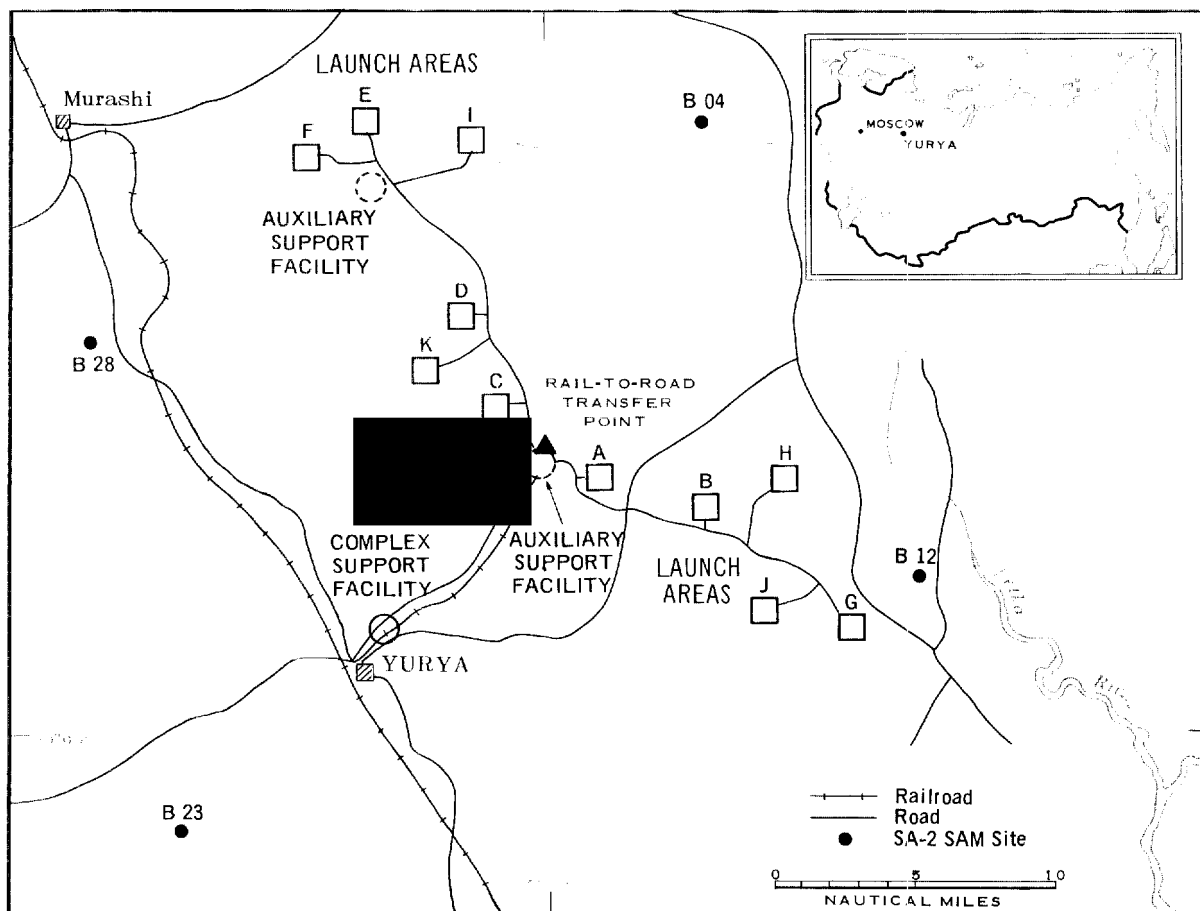


FIGURE 1. LOCATION OF COMPLEX.

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ICBM COMPLEX, YURYA, USSR

INTRODUCTION

The Yurya ICBM Complex, extending northwest-to-southeast for a distance of approximately 27 nautical miles (nm), is located generally north and east of the town of Yurya on the Kirov-Kotlas rail line (Figure 1). The complex is situated in a forested area of rolling terrain, approximately 500 to 650 feet above sea level. It

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second auxiliary support facility, and 11 launch areas. The launch areas include 2 Type IIA sites (A and B), 3 Type IIB sites (C, D, and F), 3 Type IID sites (H, I, and J), and 3 Type IIIA sites (E, G, and K). The launch pads at the Type II sites have an azimuth of 340 degrees, plus or minus 5 degrees, and the Type III sites are oriented on an

azimuth of 20 degrees, plus or minus 5 degrees.

Yurya was the first deployed ICBM complex identified in the USSR. Photography of [REDACTED] revealed four launch sites and a support facility. Subsequent photography was cloud covered and of poor quality until [REDACTED] when a previously unidentified activity at the north end of the complex was identified as a hard launch site. The complex support facility was identified in [REDACTED], and the entire complex support facility and two more launch sites were observed on photography of [REDACTED]

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The complex is defended by four SA-2 SAM sites, located within an approximately 15-nm radius of its center, as follows:

Yurya ICBM Complex SAM Site B04-2, BE No [REDACTED]
Yurya ICBM Complex SAM Site B28-2, BE No [REDACTED]
Yurya ICBM Complex SAM Site B23-2, BE No [REDACTED]
Yurya ICBM Complex SAM Site B12-2, BE No [REDACTED]

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COMPLEX SUPPORT FACILITY

The complex support facility (59-03N 49-19E), containing about 375 buildings and structures distributed over an area of approximately 500 acres, is located just north-northeast of the town of Yurya (Figures 2 and 3). It consists of a railhead and storage area with more than 100 buildings and structures, four rail spurs, open and covered storage facilities, and at least one concrete batch plant; an administration and hous-

ing area which includes about 200 buildings ranging from large administration-type structures to single-unit family-type dwellings; and a housing area containing about 55 barracks-type structures.

The facility is served by a branch from the Kirov-Kotlas rail line, which continues northeast to the rail-to-road transfer point and auxiliary support facility.

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FIGURE 2. COMPLEX SUPPORT FACILITY.

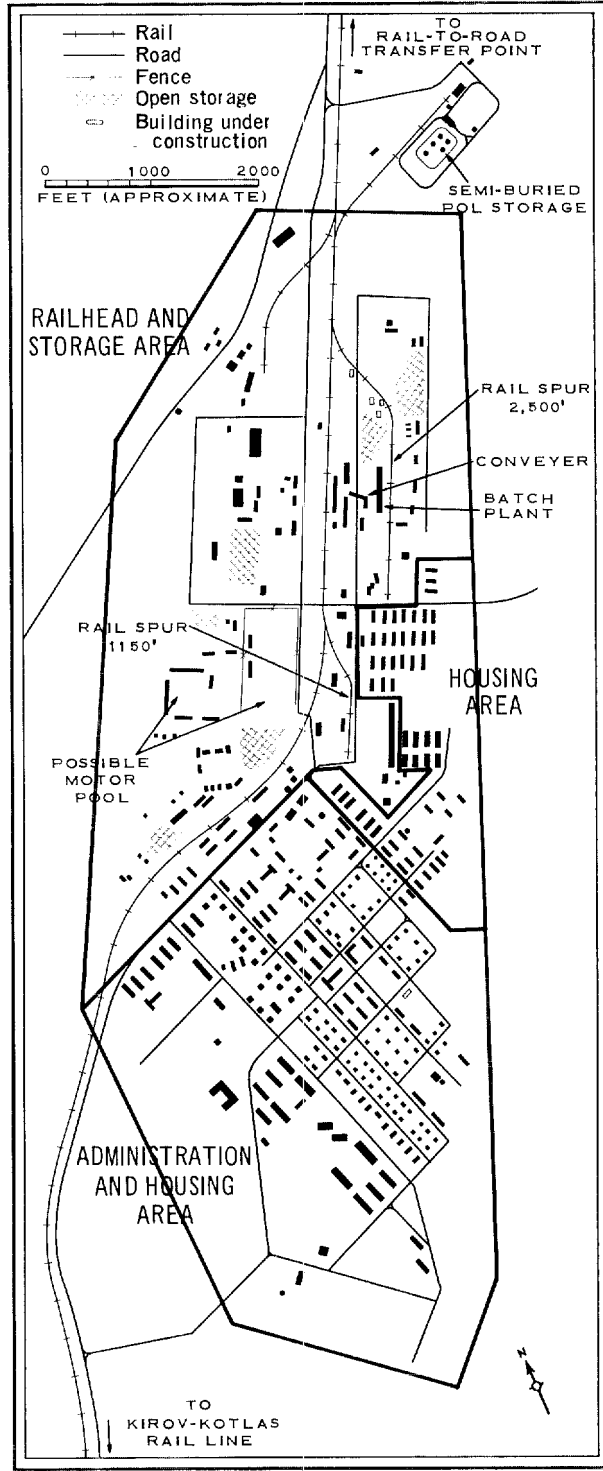


FIGURE 3. LAYOUT OF COMPLEX SUPPORT FACILITY.

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RAILHEAD AND STORAGE AREA

2 Buildings	360' x 40'
1 Building	100' x 30'
1 Building	165' x 65'
1 Building	360' x 50'
1 Building	300' x 65'
1 Building	190' x 65'
1 Building	240' x 125'
5 POL tanks	55' DIAM

1 Building	260' x 60'
1 T-shaped building	140' x 80' x 40'
1 Building	110' x 60'
11 Buildings	55' x 35'
42 Buildings	30' x 25'
16 Buildings	50' x 40'
12 Buildings	120' x 45'
1 T-shaped building	200' x 130' x 40'
8 Buildings	110' x 30'
8 Buildings	40' x 35'
1 Building	125' x 30'
8 Buildings	25' x 20'

ADMINISTRATION AND HOUSING AREA

1 U-shaped building	225' x 160' x 70'
6 Barracks-type buildings	140' x 45'
7 Barracks-type buildings	170' x 45'
4 Barracks-type buildings	230' x 45'
1 Building	175' x 50'

HOUSING AREA

55 Barracks-type buildings	110' x 30'
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(See Figure 3)

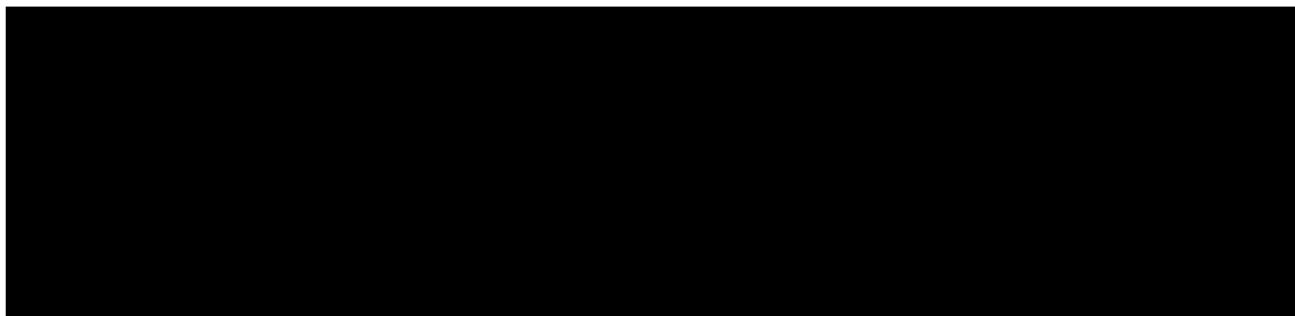
RAIL-TO-ROAD TRANSFER POINT

The rail-to-road transfer point (59-10N 49-29E) and auxiliary support facility are located about 7 nm northeast of the complex support facility, at the terminus of the branch from the Kirov-Kotlas rail line (Figures 4 and 5). An elongated oval road pattern adjacent to the rail terminus connects with the complex main road. There are several buildings and a probable cylindrical storage tank in the vicinity of the

transfer point. A short rail spur terminates just southwest of the transfer point, at a construction support area containing a probable concrete batch plant. The remainder of the auxiliary support facility consists of two separate administration and housing areas and a possible motor pool.

A SAM support facility is located about 6,000 feet west of the transfer point.

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OTHER FACILITIES

The second auxiliary support facility (59-20N 49-18E) is located 17 nm north of the com-

plex support facility at the site of the former village of Sibiryaki (Figure 1). It is situated

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along the complex main road at a point just north of the access road leading eastward to Launch Area I. The facility consists of approximately 50 to 60 buildings, including at least 15

probable barracks. There are also warehouse-type structures, a probable concrete batch plant, open storage areas, and a possible motor pool.

LAUNCH AREA A

Launch Area A, located 9.4 nm northeast of the complex support facility, consists of a completed Type IIA launch site and a site support facility (Figure 6). The site cannot be negated, as it was present on the earliest photography in

The irregularly shaped launch site, with extreme measurements of approximately 3,300 by 1,750 feet, is enclosed by a double security fence. The configuration of the site has several unique features. Both pads have parallel orien-

tations, with the usual pad separation of 980 feet, but the right pad is slightly southeast of the left pad. An unidentified object is situated near the center of each pad. Two parallel buildings, previously identified as the missile-ready buildings, are located about 1,000 feet southwest of the left pad. Two other buildings, in a central position south of the launch pads, were observed on photography of Both of these buildings were present as early as and probably were present

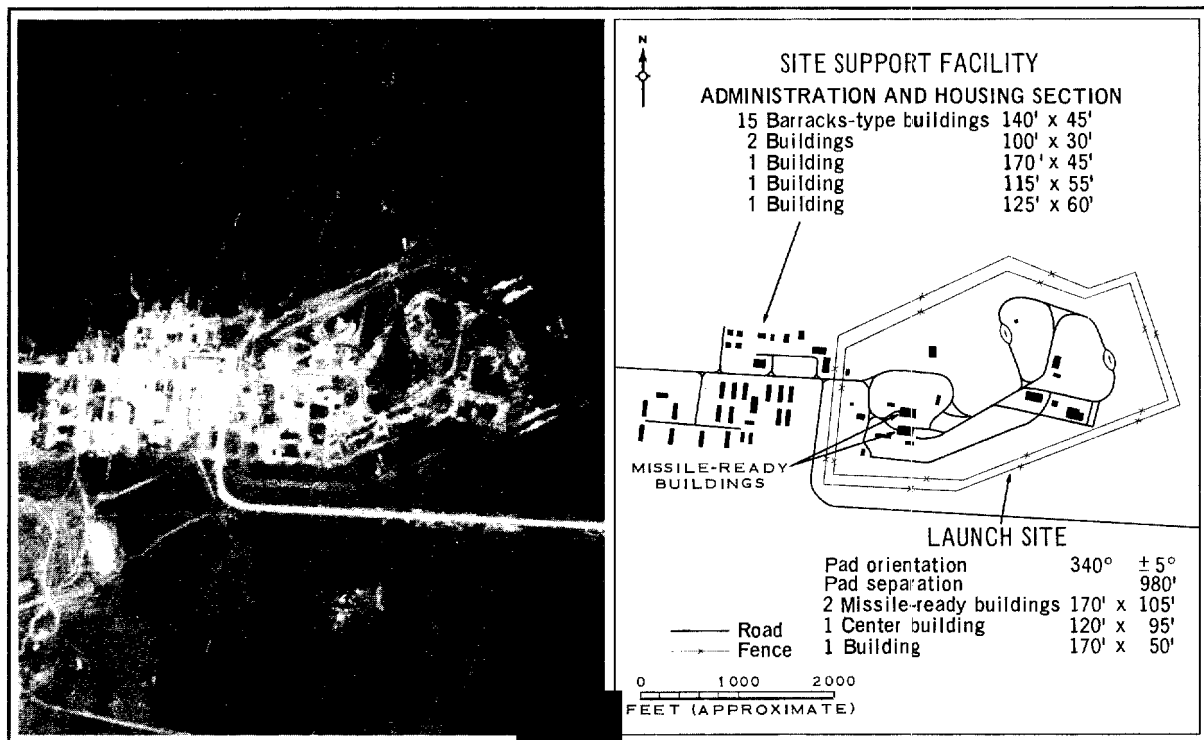


FIGURE 6. LAUNCH AREA A.

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on the first coverage of the site in [REDACTED] although the poor quality of the photography did not permit positive identification. The western building appears to be identical to the previously identified ready buildings, but the eastern building is irregular in shape and appears to be slightly smaller and lower. The site road pattern would allow traffic to bypass the previously identified ready buildings, and

provide direct access to the buildings south of the launch pads. This may indicate that the latter structures serve as ready buildings, and that the parallel buildings southwest of the left pad have some other technical function.

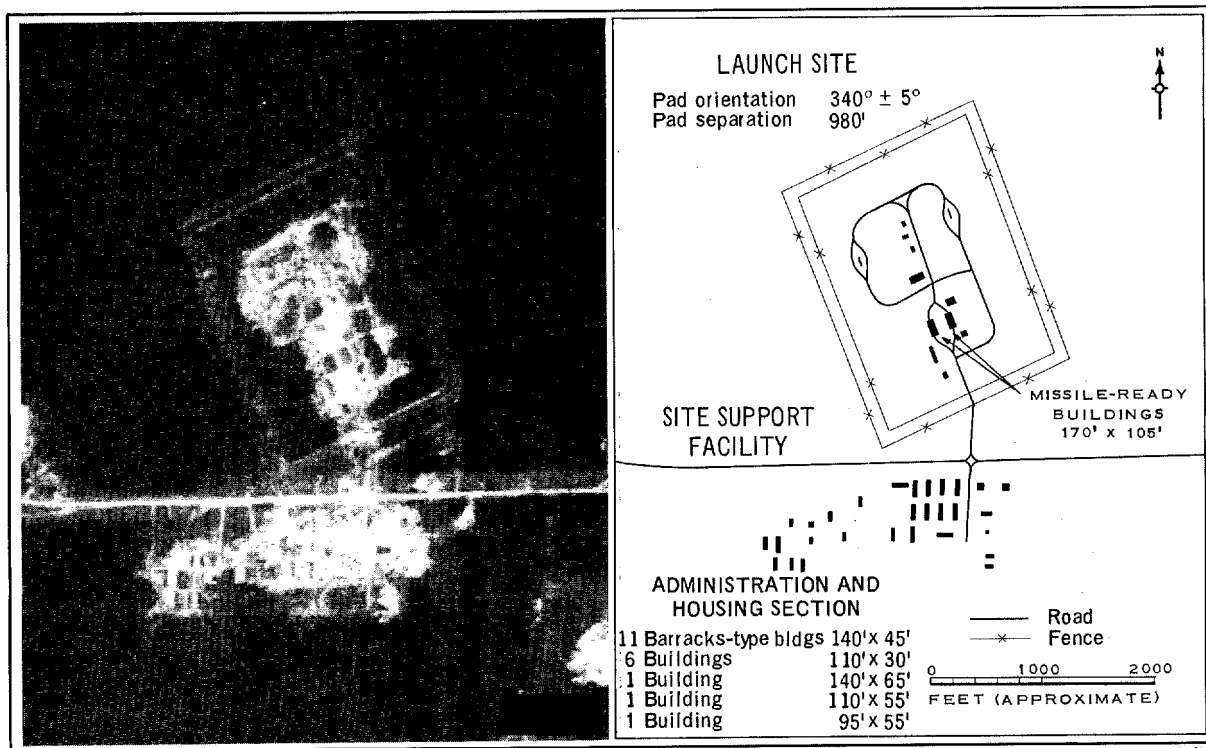
The site support facility west of the launch site consists of an administration and housing section containing approximately 32 buildings, 15 of which are barracks-type structures.

LAUNCH AREA B

Launch Area B, located 11.8 nm east-northeast of the complex support facility, consists of a completed Type IIA launch site and a site support facility (Figure 7). The site cannot be negated, as it was present on the earliest photography in [REDACTED]

The launch site, 2,500 feet by 2,000 feet, is secured by a double fence. An unidentified object is situated near the center of each pad. There are 10 buildings within the launch site; 4 buildings of various sizes are aligned west of the offset center service road; the 2 missile-ready

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FIGURE 7. LAUNCH AREA B.

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buildings are centrally located in the southern part of the site; and 4 other buildings are located in the vicinity of the ready buildings.

The site support facility is just south of the

launch site, across the complex main road. It consists of an administration and housing section containing about 30 buildings, 11 of which are large barracks-type structures.

LAUNCH AREA C

Launch Area C, located 10 nm northeast of the complex support facility, consists of a completed Type IIB launch site and a site support facility (Figure 8). The site cannot be negated, as it was present on the earliest photography in

[REDACTED]

The launch site, approximately 2,250 by 2,250 feet, has a double security fence visible on three sides; fencing on the fourth side is obscured by trees. There is an unidentified object near the center of each pad. A single large missile-ready building, canted inward about 30 degrees, is situated south of the right pad. The

[REDACTED]

[REDACTED]

The site support facility, about 3,000 feet east of the launch site, contains approximately 45 buildings. There are approximately 30 buildings of various types in the administration and housing section, 13 of which appear to be large barracks. A possible technical section, including a loop road pattern and 7 or 8 small scattered buildings, is located south of the administration and housing section. Farther south, on the east side of the complex main road, are 2 large warehouse-type structures.

LAUNCH AREA D

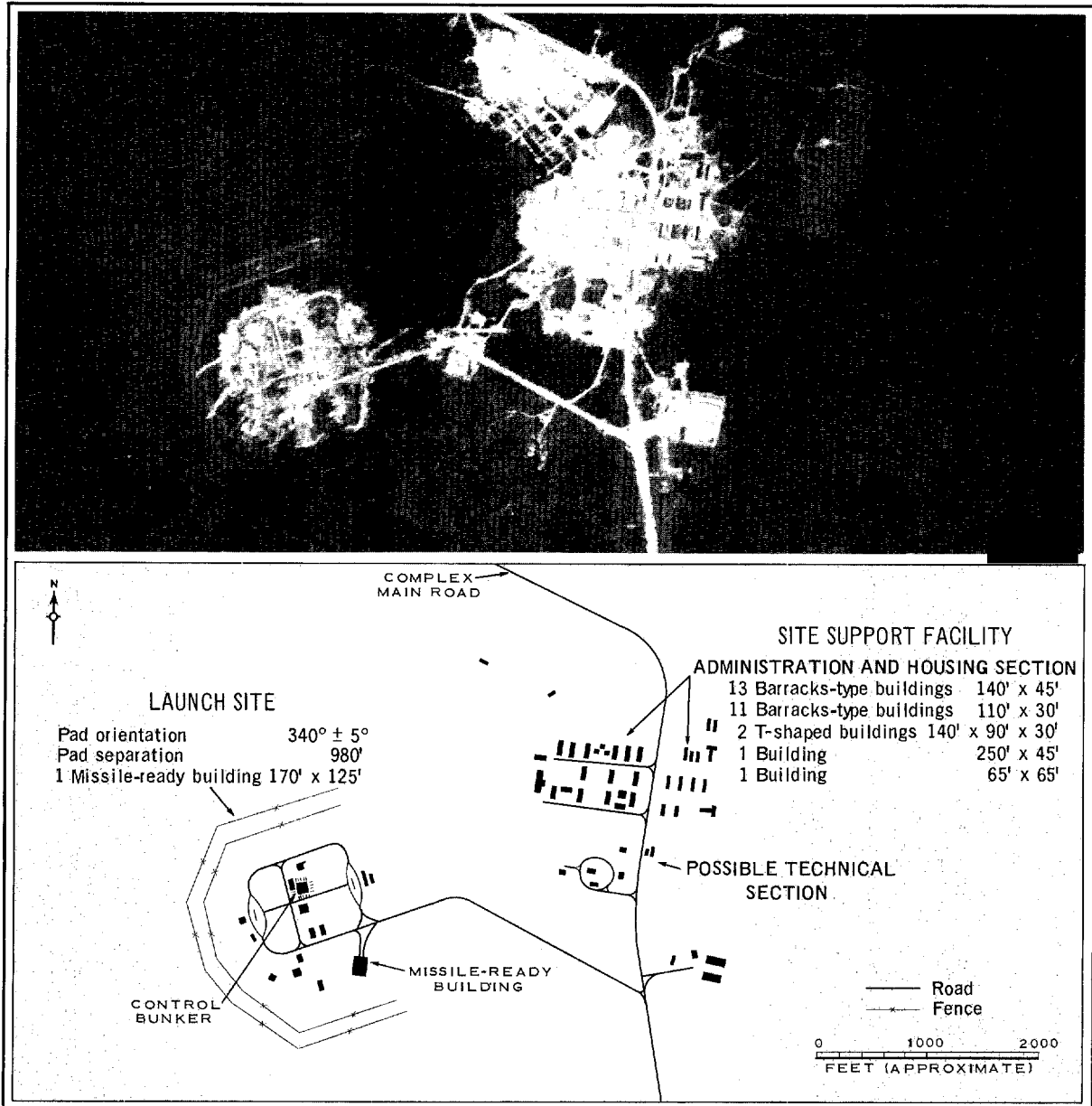
Launch Area D, located 12.1 nm north-northeast of the complex support facility, consists of a completed Type IIB launch site and a site support facility (Figure 9). The site cannot be negated, as it was present on the earliest photography in

The launch site, approximately 2,150 by 2,000 feet, is secured by a double fence. There is an unidentified object near the center of each pad. A large missile-ready building, canted outward about 30 degrees and possibly earth

banked, is situated south of the left pad; a smaller building south of the right pad is aligned with the pad. The control bunker and three smaller structures are located west of the center service road, which is offset to the right.

The site support facility, about 2,500 feet east of the launch site, contains 34 buildings. The administration and housing section includes 17 barracks-type buildings, and the remainder are smaller miscellaneous structures.

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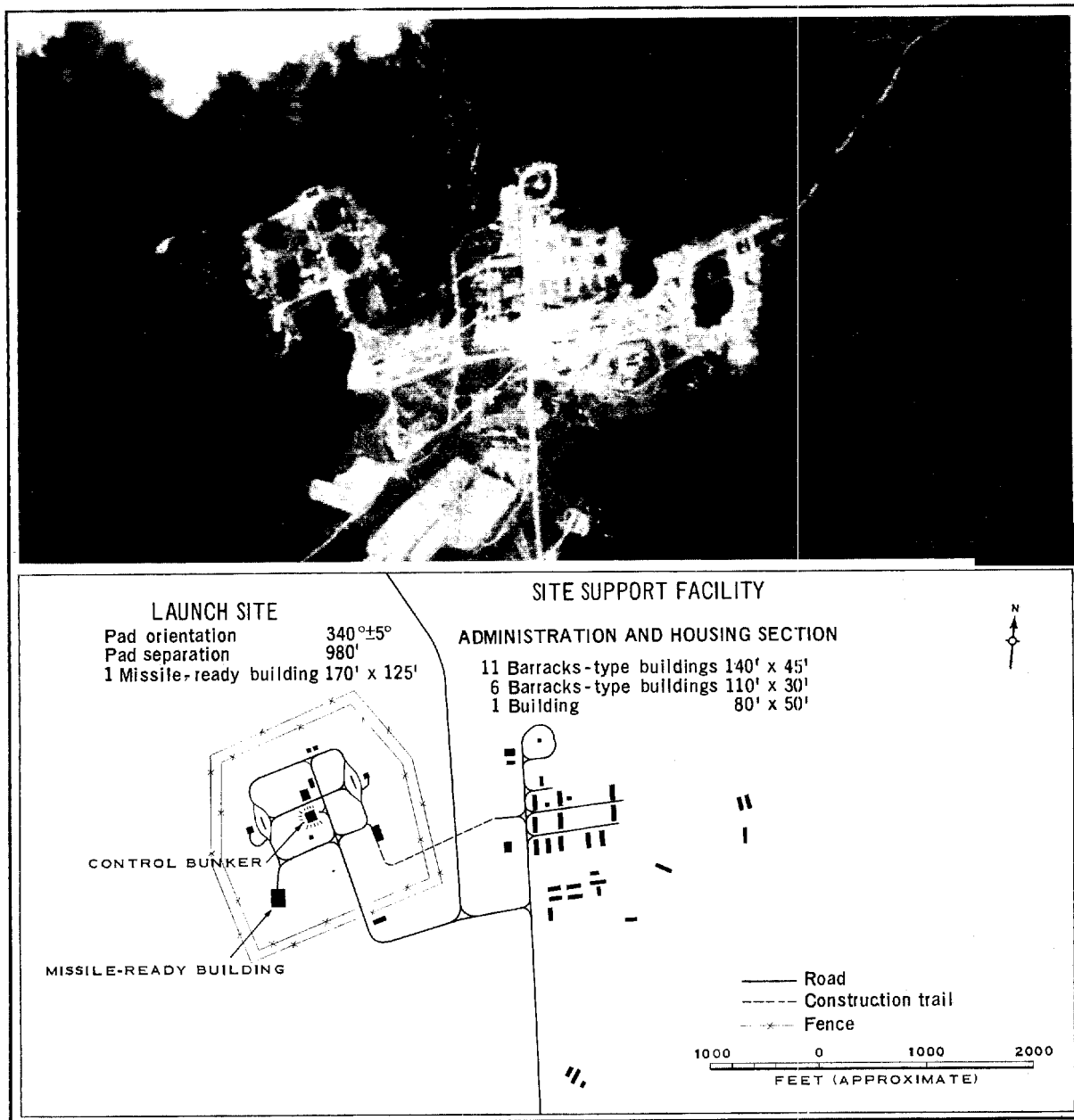
FIGURE 8. LAUNCH AREA C.

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LAUNCH AREA E

Launch Area E, located about 19 nm north of the complex support facility, consists of a completed Type IIIA launch site, a site support facility, and a receiving, inspection, and

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FIGURE 9. LAUNCH AREA D.

maintenance (RIM) facility under construction (Figure 10). The site cannot be negated, as there was evidence of construction activity on the earliest photography in [REDACTED]

The wedge-shaped launch site, secured by a double fence, has an extreme east-west dimension of 1,630 feet and an extreme north-south dimension of 1,370 feet. The excavation

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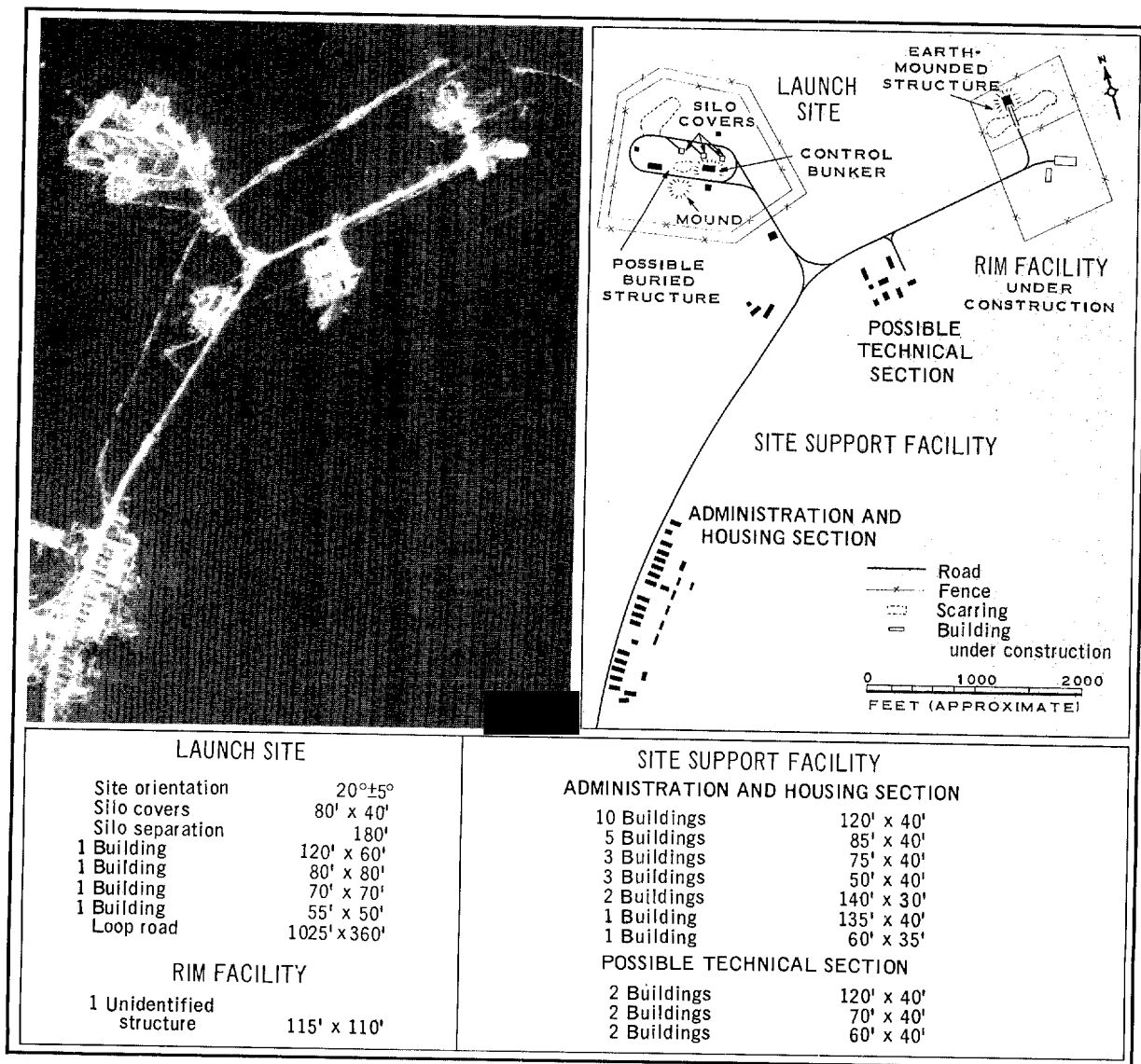


FIGURE 10. LAUNCH AREA E.

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for the launch silos, about 430 by 140 feet, was apparent when the site was identified on photography of [REDACTED] a smaller excavation, about 260 by 120 feet, was observed on its south side. The excavations were backfilled by [REDACTED] three or four buildings were present in the fenced area, but cloud shadow precluded ob-

taining further details. The launch site, with the loop road and three silo covers evident, was considered complete in [REDACTED] A sharply defined scarred area between the control bunker and a building at the southwest end of the loop road, possibly indicating a buried structure, was observed on photography of [REDACTED] The small structure inside

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the west end of the loop road, with an entrance-way or shallow excavation on its east side, is possibly semiburied.

The site support facility includes an administration and housing section and a possible technical section. The administration and housing section, about 4,100 feet south of the launch site, contains 29 buildings, 20 of which appear to be barracks of various sizes. The possible technical section, containing 2 long buildings and 6 smaller structures, is under construction about 2,000 feet southeast of the launch site.

The RIM facility is under construction in a fenced area 1,350 by 880 feet, about 3,200 feet east of the launch site. Construction activity

[REDACTED] There is direct road access to an earth-mounded structure in the northern part of the area, which has what appears to be either a long low structure or fill for a high roadbed on its southern approach.

LAUNCH AREA F

Launch Area F, located about 18 nm north of the complex support facility, consists of a completed Type IIB launch site and a site support facility (Figure 11). There was no evidence of the site on photography of [REDACTED]

southward to a triad of small buildings east of the missile-ready building. [REDACTED]

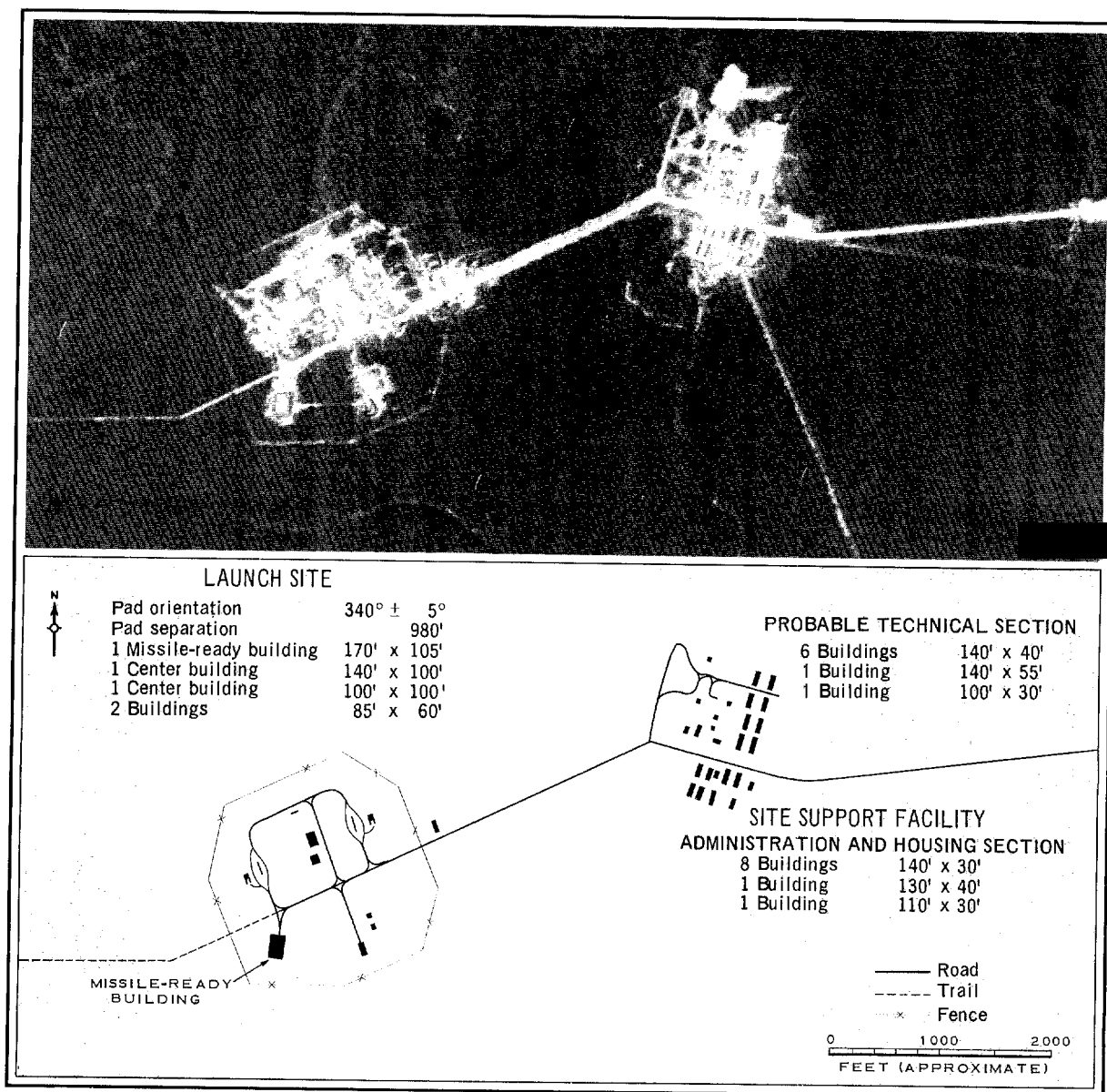
The site support facility, about 2,600 feet east-northeast of the launch site, includes an administration and housing section and a probable technical section. The administration and housing section consists of 10 buildings on the south side of the main access road, and the probable technical section contains 7 large buildings and 8 smaller miscellaneous structures on the north side of the road.

The launch site, approximately 2,560 feet square but angled on the corners, is enclosed by a single security fence. There is an unidentified object near the center of each pad. A single large missile-ready building, canted outward about 30 degrees, is situated south of the left pad. The offset center service road extends

LAUNCH AREA G

Launch Area G, located 17 nm east of the complex support facility, consists of a Type IIIA launch site in a late stage of construction, a site support facility, and a RIM facility under construction (Figure 12). The site cannot be negated, as there was evidence of initial activity on the earliest photography in [REDACTED]. In [REDACTED] the site was fenced and the area of the excavation had been cleared.

The launch site, approximately 1,800 by 1,400 feet, is enclosed by a single security fence. The excavation, 600 by 200 feet, with a notch 170 by 130 feet on its south side for the control bunker, was evident when the site was identified in [REDACTED]. Details of construction within the excavation could not be observed on subsequent missions. Backfilling had been completed by [REDACTED] and the loop road pattern was becoming apparent.



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FIGURE 11. LAUNCH AREA F.

The exact position of the individual launch silos is indistinct, and only one possible silo cover is visible. There is a possible earth-mounded structure on either side of the control bunker, and two other buildings are situated farther to the west. A small semiburied possible structure similar to that at Launch Area E, with a shallow

excavation or entranceway on its east side, is located at the west end of the launch site.

The site support facility is located about 3,300 feet northwest of the launch site. It consists of 47 administration and housing buildings, 23 of which are barracks-type structures.

The RIM facility is under construction in a

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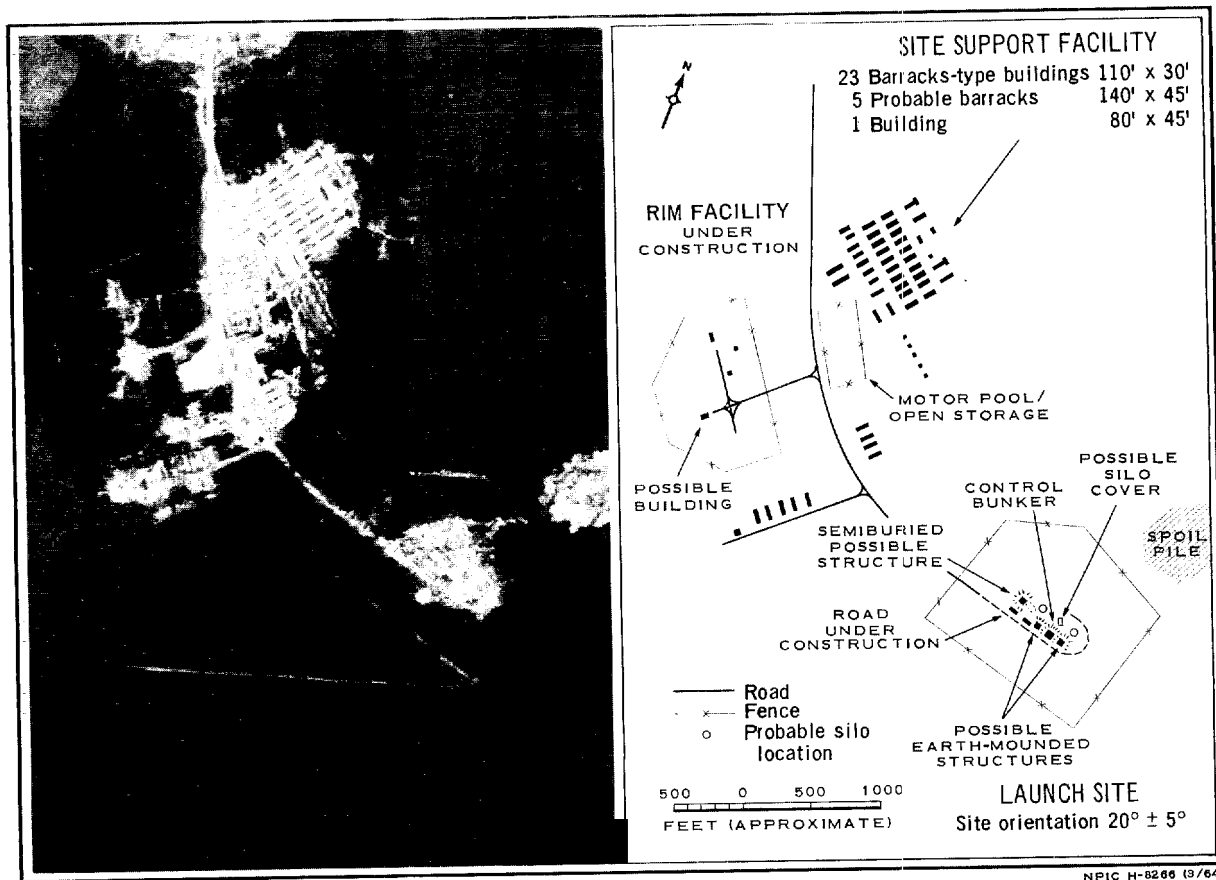


FIGURE 12. LAUNCH AREA G.

fenced area approximately 1,100 by 800 feet, about 3,300 feet west-northwest of the launch site. Three buildings and a possible fourth structure are visible within the fenced area;

the road pattern and ground scarring indicate additional construction. A group of 6 to 10 support-type buildings, 5 of which are probably barracks, is located southeast of the facility.

LAUNCH AREA H

Launch Area H, located 16.5 nmeast-north-east of the complex support facility, consists of a Type IID launch site and a site support facility (Figure 13). The site can be negated on photography of [REDACTED] and appeared to be complete on poor photography of [REDACTED]

The launch site, approximately 2,000 by

1,800 feet, is enclosed by a double security fence. The site road pattern appeared to be complete in [REDACTED]. A small missile-ready building is aligned with each pad, to the southeast, and there are two canted buildings inboard of each pad. A larger missile-ready building, canted outward from the pad axis, apparently was under construction in [REDACTED]

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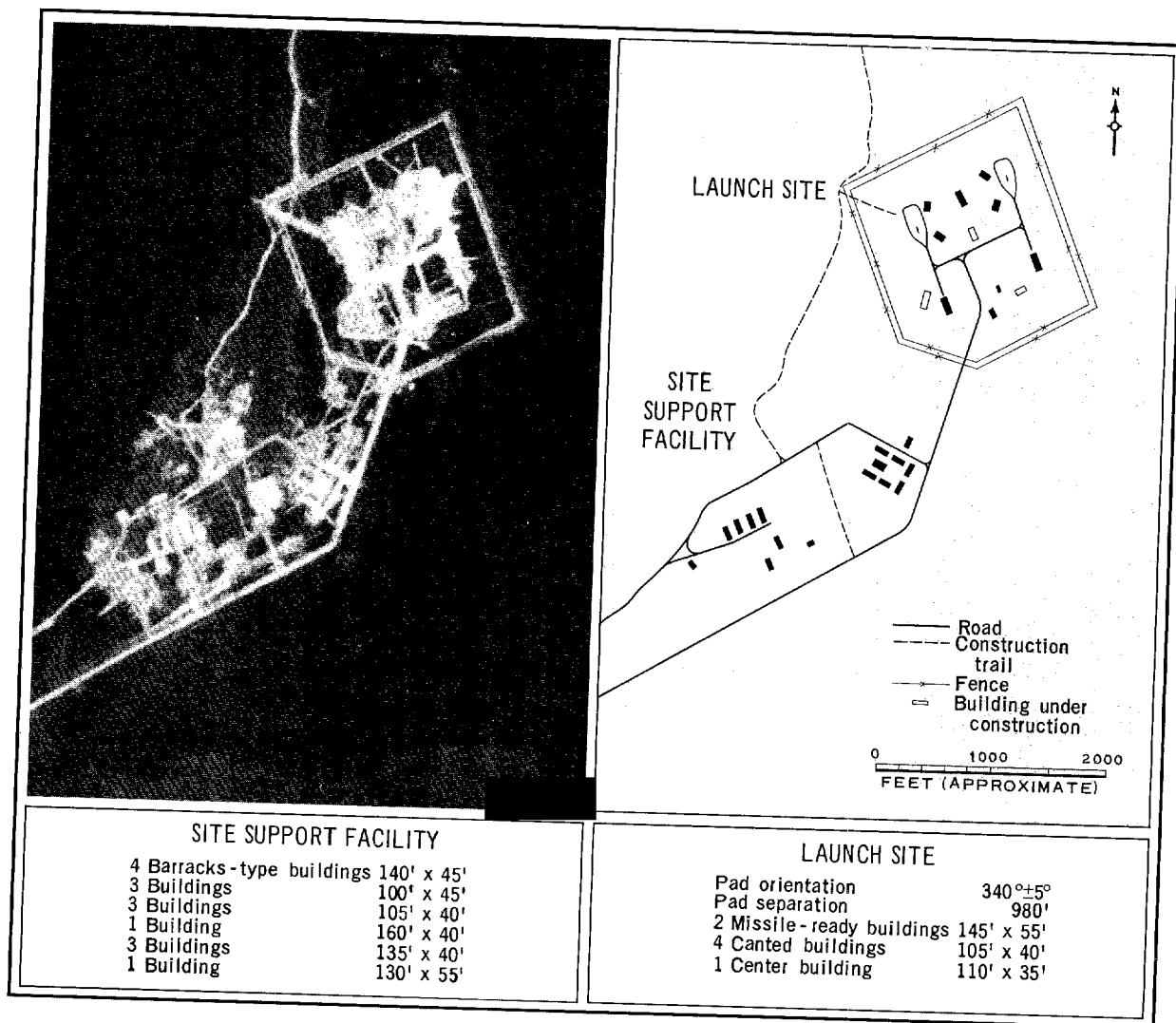


FIGURE 13. LAUNCH AREA H.

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just northwest of the ready building aligned with the left pad.

The site support facility is located about 2,500 feet southwest of the launch site. It consists of 16 buildings, 4 of which appear to be barracks-type structures.

LAUNCH AREA I

Launch Area I, located 18 nm north-northeast of the complex support facility, consists of a

Type IID launch site in a midstage of construction and a site support facility under construction

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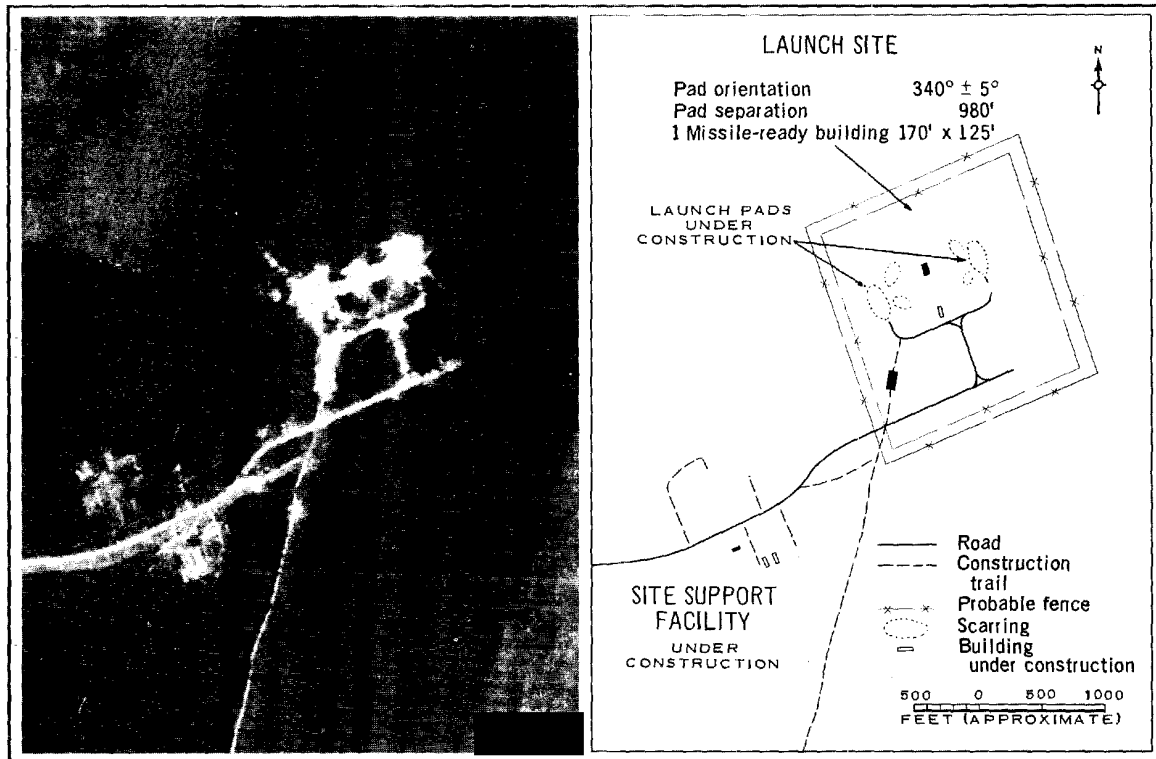


FIGURE 14. LAUNCH AREA I.

(Figure 14). The site can be negated on photography of [REDACTED]

The launch site, approximately 2,000 by 1,800 feet, is probably enclosed by a double security fence. The site road pattern is not complete, but the access road appears to be hard surfaced. The launch pads are under construction and a single missile-ready building, canted outward about 30 degrees, is situated south of the left pad. Two buildings,

one of which was under construction in [REDACTED] are centrally located between the pads. Ground scarring for two canted buildings inboard of each pad is apparent, and the two buildings inboard of the left pad appeared to be under construction in [REDACTED]. The site support facility is under construction about 2,800 feet southwest of the launch site. It is in an early stage of construction and only a few structures have been built.

LAUNCH AREA J

Launch Area J, located 13.5 nm east of the complex support facility, consists of a Type III launch site in a midstage of construction and a site support facility under construction (Figure

15). The site can be negated on photography of [REDACTED]

The launch site, approximately 2,000 by 1,700 feet, is enclosed by a single security fence.

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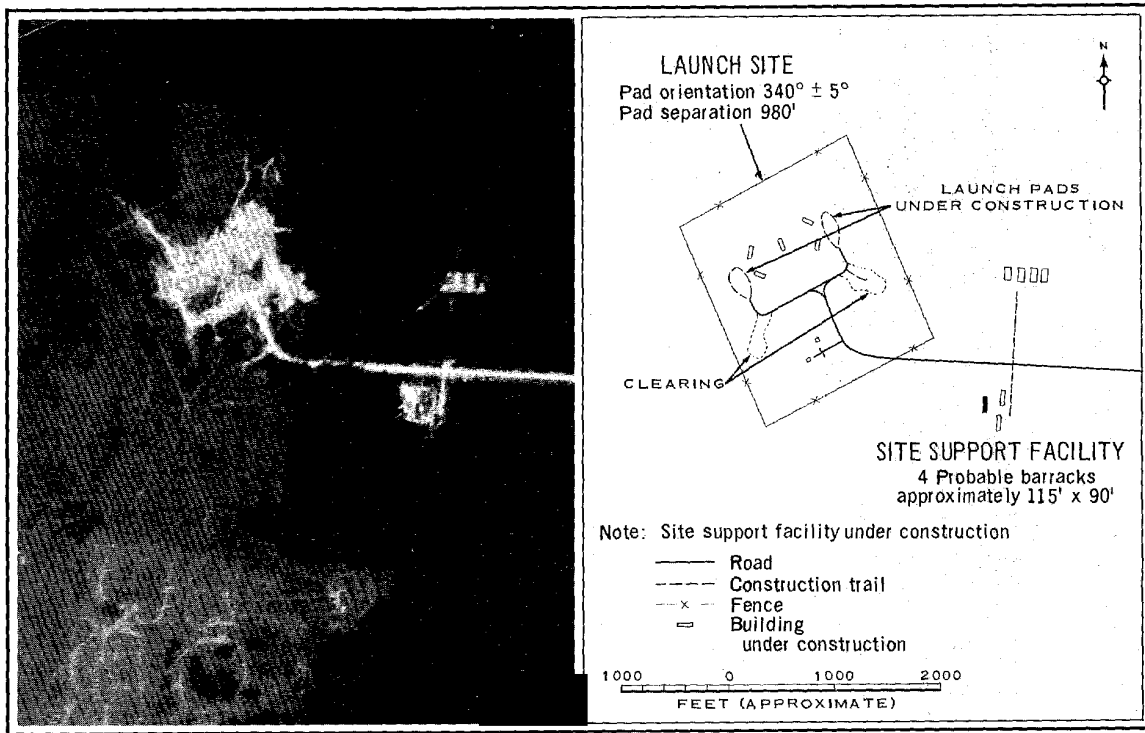


FIGURE 15. LAUNCH AREA J.

The launch pads and some of the buildings were under construction in [REDACTED] (Mission [REDACTED] but the site road pattern was incomplete. The two canted buildings inboard of each pad, and a building in a central position between the pads, were under construction. Clearings for the missile-ready buildings are evident to the rear of the pads. A missile-ready building may have been constructed south of the right pad, but details are not discernible on poor-

quality photography of [REDACTED]

The site support facility is under construction east of the launch site, on either side of the access road. There are 4 probable barracks on the north side, and 2 or 3 small structures in a clearing on the south side.

LAUNCH AREA K

Launch Area K, located 10 nm north of the complex support facility, consists of a Type IIIA launch site in an early stage of construction and a site support facility under construction (Figure

16). The site can be negated on photography of [REDACTED] increased construction activity has been apparent since a clearing was observed in [REDACTED]

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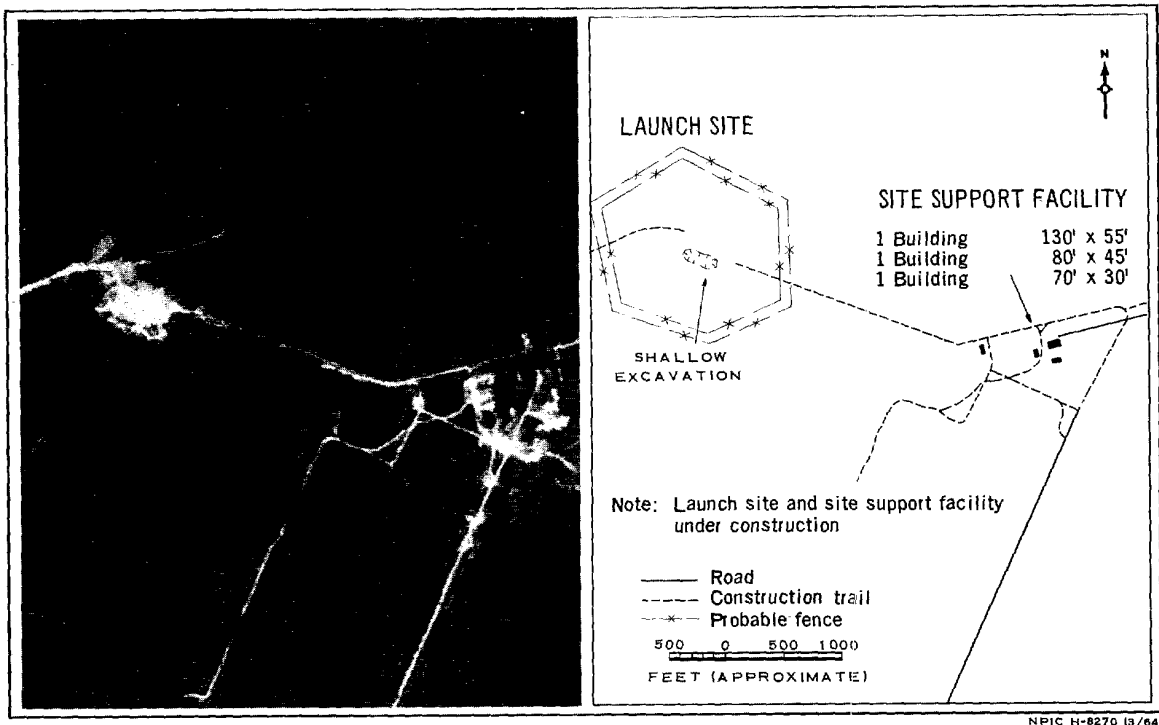


FIGURE 16. LAUNCH AREA K.

The launch site, enclosed by a probable double security fence, contained a roughly rectangular clearing 550 by 290 feet with much ground scarring in [REDACTED]. The clearing had been enlarged slightly to a more irregular shape by [REDACTED] (Mission [REDACTED]) and it appeared that a shallow excavation had been begun on the northwest side of the

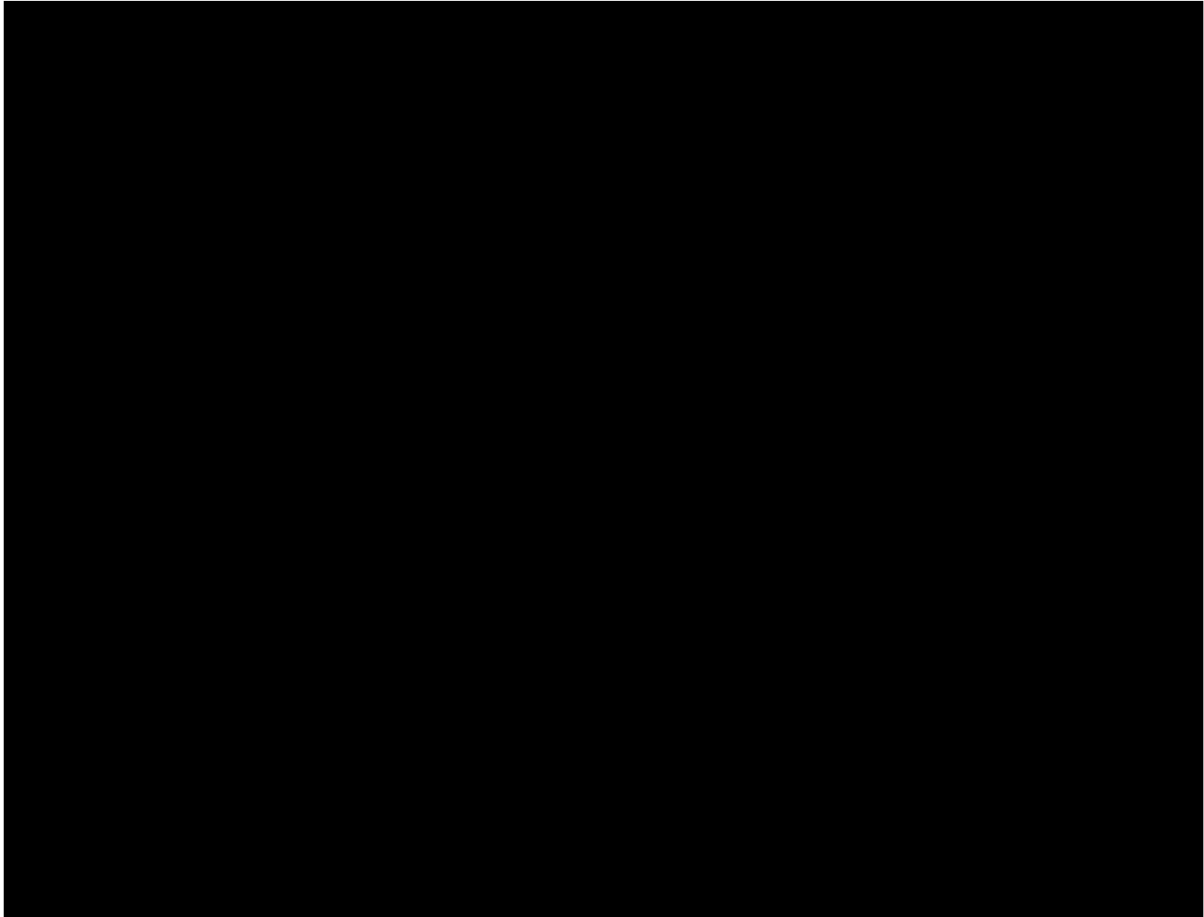
clearing. The faint image of an enlarged, roughly rectangular, excavation -- with its long axis parallel to the construction trail for the access road -- was evident on poor-quality photography of [REDACTED]

The site support facility, containing 3 or 4 buildings, is under construction about 2,000 feet east of the launch site.

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REFERENCES

PHOTOGRAPHY



25X1D

MAPS OR CHARTS

USATC. Series 200, Sheets 0155-8HL and 0155-3HL, 4th ed, Sep 63, scale 1:200,000 (SECRET)

REQUIREMENTS

NPIC. PC 806-63

NPIC. PC 47-64

NPIC PROJECTS

J-368/63 (partial answer)

N-56/64

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CIA



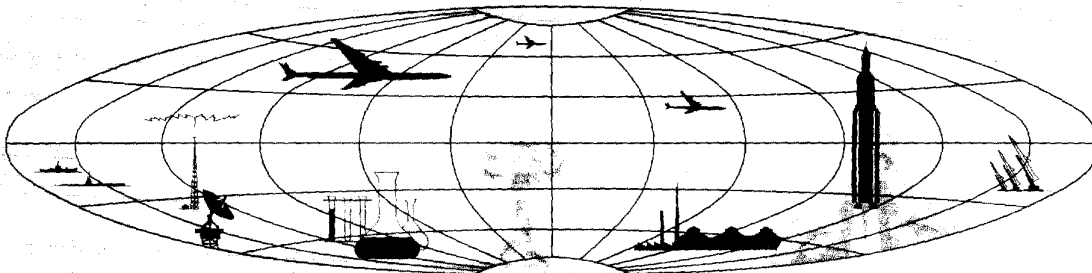
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